CREATIVE BIOMART®
Assay Kit

JMJD2D (KDM4D) Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1774

Product Overview

JMJD2D is a JmjC-domain protein that exhibits demethylation activity toward H3-K9Me3 and H3-K9Me2.

Size

96 reactions

Description

The JMJD2D Chemiluminescent Kit is designed to measure activity of JMJD2D for screening and profiling applications. The key to the JMJD2D Chemiluminescent Assay Kit is a highly specific antibody that recognizes demethylated substrate. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, a sample containing JMJD2D enzyme is incubated with a sample containing assay buffer for one hour. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate to produce chemiluminescence that can then be measured using a chemiluminescence reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

Storage

12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

JMJD2D: 3 x 14 µg; -80°C Primary antibody 5: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x JMJD2D assay buffer: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A: 6 ml; +4°C HRP chemiluminescent substrate B: 6 ml; +4°C 8-well strip plate module,

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precoated with histone substrate: 1 (12 x 8-well strips); +4°C

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